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### (54) Process for the production of acetic acid

(57) A process for the production of acetic acid by reacting carbon monoxide with methanol and/or a reactive derivative thereof in a liquid reaction composition comprising an iridium carbonylation catalyst, methyl iodide, methyl acetate, water and acetic acid character-

ised in that there is also present in the reaction composition a monodentate phosphine oxide compound in an amount of up to and including 200 mol per gram atom of iridium.

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## EUROPEAN SEARCH REPORT

Application Number  
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